



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 146992

TO: Marcela Cordero Garcia

Location: REM-3C18

Art Unit: 1654

Friday, March 18, 2005

Case Serial Number: 10/780905

From: Mary Jane Ruhl

Location: Biotech-Chem Library

Remsen 1-A-62

Phone: 571-272-2524

maryjane.ruhl@uspto.gov

Search Notes

Examiner Cordero Garcia,

Here are the results for your recent search request.

Please feel free to contact me if you have any questions about these results.

Thank you for using STIC services. We appreciate the opportunity to serve you.

Sincerely,

Mary Jane Ruhl

Technical Information Specialist

STIC

Remsen 1-A-62

Ext. 22524





STIC SEARCH RESULTS FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher or contact:*

Mary Hale, Information Branch Supervisor
Remsen Bldg. 01 D86
571-272-2507

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 1610

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC-Biotech-Chem Library Remsen Bldg.



FOR OFFICIAL USE ONLY

ACCESS DB # 146992
PLEASE PRINT CLEARLY

Scientific and Technical Information Center

147604

SEARCH REQUEST FORM

Requester's Full Name: MARCELA CORDERO GARCIA Examiner #: 80381 Date: 3/7/05
Art Unit: 1654 Phone Number: 2-2939 Serial Number: 101780,905
Location (Bldg/Room#): LEM 3C35 (Mailbox #): 3C18 Results Format Preferred (circle): PAPER DISK

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: SEE BIB D. S.

Inventors (please provide full names): II

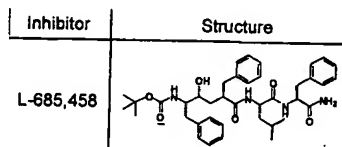
Earliest Priority Date: 2/18/03

Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

PLEASE SEARCH THE METHOD OF CLM 1 WITH SECRETASE INHIBITOR
L-685,458, WHICH HAS THE FOLLOWING STRUCTURE (PLEASE SEARCH MARPAT ALSO)



292632-98-5

IF NO HITS, PLEASE SEARCH CLM 4. (PLEASE SEARCH MARPAT ALSO)

THANKS,

M. M.

STAFF USE ONLY

Searcher: _____

Searcher Phone #: _____

Searcher Location: _____

Date Searcher Picked Up: _____

Date Completed: _____

Searcher Prep & Review Time: _____

Online Time: _____

Type of Search

____ NA Sequence (#)

____ AA Sequence (#)

____ Structure (#)

____ Bibliographic

____ Litigation

____ Fulltext

____ Other

Vendors and cost where applicable

____ STN _____ Dialog

____ Questel/Orbit _____ Lexis/Nexis

____ Westlaw _____ WWW/Internet

____ In-house sequence systems

____ Commercial _____ Oligomer _____ Score/Length
____ Interference _____ SPDI _____ Encode/Transl
____ Other (specify)

=> d his ful

(FILE 'HOME' ENTERED AT 10:55:00 ON 18 MAR 2005)

FILE 'REGISTRY' ENTERED AT 10:55:08 ON 18 MAR 2005

L1 1 SEA ABB=ON 292632-98-5/RN

see Invention search, yellow tab, for structure

FILE 'HCAPLUS' ENTERED AT 10:55:22 ON 18 MAR 2005

L2 35 SEA ABB=ON L1 OR L(W) 685(W) 458 OR L(W) 685458

L3 5 SEA ABB=ON L2 AND ?METHOD?

L4 2 SEA ABB=ON L3 AND (PRD<20030218 OR PD<20030218)

FILE 'MARPAT' ENTERED AT 10:56:55 ON 18 MAR 2005

L5 0 SEA ABB=ON L1 OR L(W) 685(W) 458 OR L(W) 685458

L6 0 SEA ABB=ON 292632-98-5/RN

L7 0 SEA ABB=ON 292632-98-5

L8 0 SEA ABB=ON 292632-98-5/RN

L9 0 SEA ABB=ON L(W) 685(W) 458 OR L(W) 685458

0 cit's from Marpat

FILE 'HCAPLUS' ENTERED AT 10:58:22 ON 18 MAR 2005

SELECT RN L4 1-2

FILE 'REGISTRY' ENTERED AT 10:59:14 ON 18 MAR 2005

L10 22 SEA ABB=ON (292632-98-5/BI OR 338454-52-7/BI OR 26305-03-3/BI
 OR 290315-45-6/BI OR 29169-91-3/BI OR 300865-85-4/BI OR
 323580-60-5/BI OR 500726-06-7/BI OR 500726-07-8/BI OR 500726-08-9/BI OR 500856-86-0/BI OR 500856-87-1/BI OR 500856-88-2/BI OR 500856-89-3/BI OR 500856-90-6/BI OR 500857-05-6/BI OR 500857-06-7/BI OR 500857-07-8/BI OR 500857-08-9/BI OR 504428-17-5/BI OR 75621-03-3/BI OR 82473-24-3/BI)

FILE 'HCAPLUS' ENTERED AT 10:59:19 ON 18 MAR 2005

L11 2 SEA ABB=ON L4 AND L10

2 cit's from CA Plus

(Pls. note: Claim 4 compd. has R groups internal to structure, ∴ cannot be searched w/o further definition of those groups.

MJR

=> d que stat l11

L1 1 SEA FILE=REGISTRY ABB=ON 292632-98-5/RN
L2 35 SEA FILE=HCAPLUS ABB=ON L1 OR L(W)685(W)458 OR L(W)685458
L3 5 SEA FILE=HCAPLUS ABB=ON L2 AND ?METHOD?
L4 2 SEA FILE=HCAPLUS ABB=ON L3 AND (PRD<20030218 OR PD<20030218)
L10 22 SEA FILE=REGISTRY ABB=ON (292632-98-5/BI OR 338454-52-7/BI OR
26305-03-3/BI OR 290315-45-6/BI OR 29169-91-3/BI OR 300865-85-4
/BI OR 323580-60-5/BI OR 500726-06-7/BI OR 500726-07-8/BI OR
500726-08-9/BI OR 500856-86-0/BI OR 500856-87-1/BI OR 500856-88
-2/BI OR 500856-89-3/BI OR 500856-90-6/BI OR 500857-05-6/BI OR
500857-06-7/BI OR 500857-07-8/BI OR 500857-08-9/BI OR 504428-17
-5/BI OR 75621-03-3/BI OR 82473-24-3/BI)
L11 2 SEA FILE=HCAPLUS ABB=ON L4 AND L10

=> d ibib abs hitstr l11 1-2

L11 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2003:579517 HCAPLUS

DOCUMENT NUMBER: 139:272774

TITLE: The Mechanism of γ -Secretase: Multiple Inhibitor
Binding Sites for Transition State Analogs and Small
Molecule Inhibitors

AUTHOR(S): Tian, Gaochao; Ghanekar, Smita V.; Aharony, David;
Shenvi, Ashok B.; Jacobs, Robert T.; Liu, Xiaodong;
Greenberg, Barry D.

CORPORATE SOURCE: Department of Lead Discovery, AstraZeneca
Pharmaceuticals, Wilmington, DE, 19850, USA

SOURCE: Journal of Biological Chemistry (2003),
278(31), 28968-28975

CODEN: JBCHA3; ISSN: 0021-9258

PUBLISHER: American Society for Biochemistry and Molecular
Biology

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Transition state analogs pepstatin Me ester (PME) and L685458 have been shown to inhibit γ -secretase non-competitively (Tian, G., Sobotka-Briner, C., Zysk, J., Liu, X., Birr, C., Sylvester, M. A., Edwards, P. D., Scott, C. W., and Greenberg, B. D. (2002) J. Biol. Chemical 277, 31499-31505). This unusual kinetics suggests phys. separation of the sites for substrate binding and catalysis with binding of the transition state analogs to the catalytic site and not to the substrate binding site. **Methods** of inhibitor cross-competition kinetics and competition ligand binding were utilized to address whether non-transition state small mol. inhibitors, which also display non-competitive inhibition of γ -secretase, inhibit the enzyme by binding to the catalytic site as well. Inhibitor cross-competition kinetics indicated competitive binding between the transition state analogs PME and L685458 and between small mol. arylsulfonamides and benzodiazepines, but non-competitive binding between the transition state analogs and the small mol. inhibitors. These results were indicative of two inhibitor binding sites, one for transition state analogs and the other for non-transition state small mol. inhibitors. The presence of two inhibitor binding sites for two different classes of inhibitors was corroborated by results from competition ligand binding using [3H]L685458 as the radioligand. Although L685458 and PME displaced the radioligand at the same concns. as for enzyme inhibition, arylsulfonamides and benzodiazepines did not displace the radioligand at their K_i values, a result consistent with the presence of two inhibitor binding sites. These findings provide useful insights into the catalytic and regulatory mechanisms of γ -secretase that may facilitate the design of novel γ -secretase inhibitors.

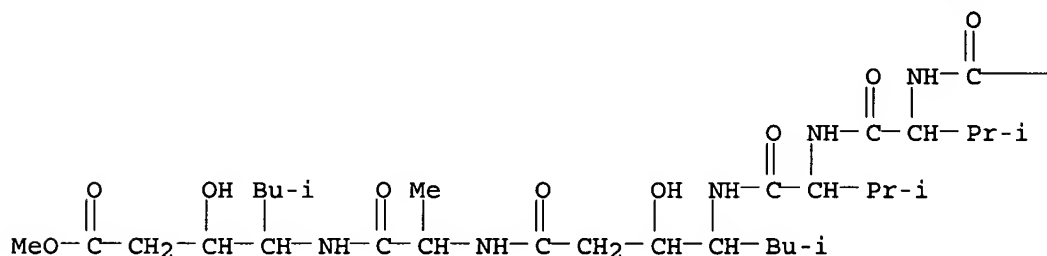
IT 29169-91-3 290315-45-6 292632-98-5, L685458
504428-17-5

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibitor cross-competition kinetic anal. indicates γ -secretase
has sep. binding sites for transition state isosteres and for small
mol. inhibitors)

RN 29169-91-3 HCAPLUS

CN L-Alaninamide, N-(3-methyl-1-oxobutyl)-L-valyl-L-valyl-(3S,4S)-4-amino-3-
hydroxy-6-methylheptanoyl-N-[(1S,2S)-2-hydroxy-4-methoxy-1-(2-
methylpropyl)-4-oxobutyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



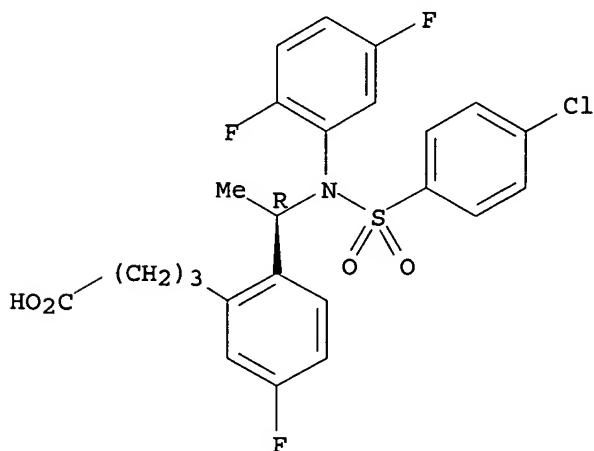
PAGE 1-B

— Bu-i

RN 290315-45-6 HCAPLUS

CN Benzenebutanoic acid, 2-[(1R)-1-[[[4-chlorophenyl)sulfonyl](2,5-
difluorophenyl)amino]ethyl]-5-fluoro- (9CI) (CA INDEX NAME)

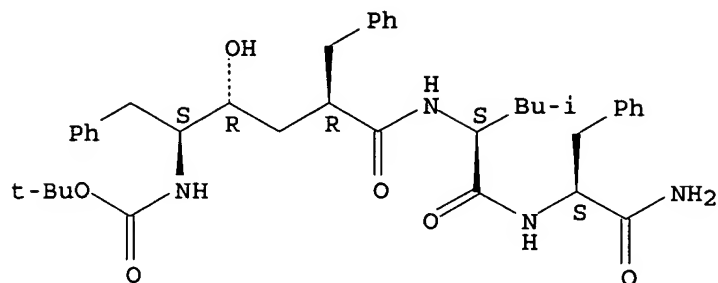
Absolute stereochemistry.



RN 292632-98-5 HCAPLUS

CN L-Phenylalaninamide, N-[(2R,4R,5S)-5-[[[(1,1-dimethylethoxy)carbonyl]amino]-
4-hydroxy-1-oxo-6-phenyl-2-(phenylmethyl)hexyl]-L-leucyl- (9CI) (CA INDEX
NAME)

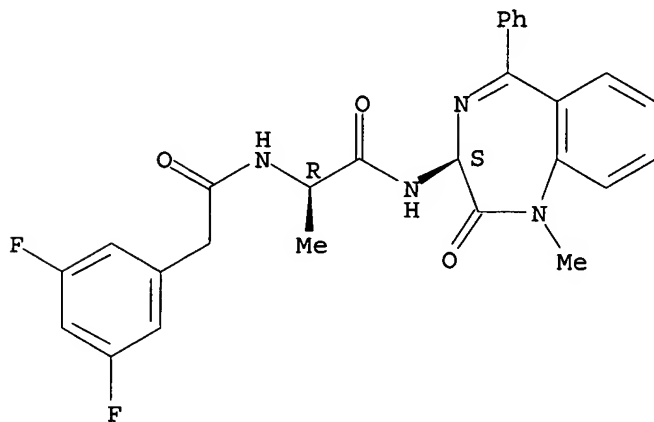
Absolute stereochemistry. Rotation (-).



RN 504428-17-5 HCAPLUS

CN Benzeneacetamide, N-[(1R)-2-[(3S)-2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl]amino]-1-methyl-2-oxoethyl]-3,5-difluoro- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.



IT 338454-52-7, γ -Secretase

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
(Biological study)

(inhibitor cross-competition kinetic anal. indicates γ -secretase
has sep. binding sites for transition state isosteres and for small
mol. inhibitors)

RN 338454-52-7 HCAPLUS

CN γ -Secretase (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2003:173459 HCAPLUS

DOCUMENT NUMBER: 138:217451

TITLE: Preparation, substrate specificity, and therapeutic
uses of human γ 3 protease involved in processing
of amyloid precursor protein

INVENTOR(S): Crouthamel, Ming-Chih; Gardell, Stephen J.; Huang,
Qian; Lai, Ming-Tain; Li, Yueming

PATENT ASSIGNEE(S): Merck & Co., Inc., USA
 SOURCE: PCT Int. Appl., 48 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------------|
| WO 2003018050 | A1 | 20030306 | WO 2002-US26969 | 20020808 <-- |
| W: CA, JP, US | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR | | | | |
| EP 1427439 | A1 | 20040616 | EP 2002-768689 | 20020808 <-- |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR, BG, CZ, EE, SK | | | | |
| PRIORITY APPLN. INFO.: | | | US 2001-311410P | P 20010810 <-- |
| | | | WO 2002-US26969 | W 20020808 <-- |

AB The invention provides γ 3 protease, a novel aspartyl class protease that is capable of taking part in the processing of amyloid precursor protein (APP) to A β peptide. The γ 3 protease may be involved in the development and/or progression of Alzheimer's disease. It has a Mr of 60-120 kDa on gel filtration, and its activity is inhibited by pepstatin A but not by L685,458 (a known γ -secretase inhibitor) with a pH optimum of 6.0. γ 3 Protease cleaves amyloid precursor protein, as well as artificial substrates incorporating portions of APP695, at the same or similar sites as γ -secretase, but can be distinguished from the known γ -secretase activity involving presenilin-1 and presenilin-2. **Methods** of assaying γ 3 protease and identifying potential inhibitors, useful in the prevention or treatment of Alzheimer's disease, are disclosed.

IT **500856-89-3**
 RL: ARG (Analytical reagent use); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study); USES (Uses)
 (amino acid sequence; preparation, substrate specificity, and therapeutic uses of human γ 3 protease involved in processing of amyloid precursor protein)

RN 500856-89-3 HCAPLUS
 CN 597-695-Amyloid precursor protein APP695 [methionyl] (human) fusion protein with FLAG peptide (synthetic) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT **500856-86-0 500856-87-1 500856-88-2**
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
 (amino acid sequence; preparation, substrate specificity, and therapeutic uses of human γ 3 protease involved in processing of amyloid precursor protein)

RN 500856-86-0 HCAPLUS
 CN 597-695-Amyloid precursor protein APP695 (human) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 500856-87-1 HCAPLUS
 CN L-Threonine, L- α -aspartyl-L-alanyl-L- α -glutamyl-L-phenylalanylglycyl-L-histidyl-L- α -aspartyl-L-serylglycyl-L-phenylalanyl-L- α -glutamyl-L-valyl-L-arginyl-L-histidyl-L-glutamyl-L-lysyl-L-leucyl-L-valyl-L-phenylalanyl-L-phenylalanyl-L-alanyl-L- α -glutamyl-L- α -aspartyl-L-valylglycyl-L-seryl-L-asparaginyll-L-

lysylglycyl-L-alanyl-L-isoleucyl-L-isoleucylglycyl-L-leucyl-L-methionyl-L-valylglycylglycyl-L-valyl-L-valyl-L-isoleucyl-L-alanyl-L-threonyl-L-valyl-L-isoleucyl-L-valyl-L-isoleucyl- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 500856-88-2 HCAPLUS

CN 597-695-Amyloid precursor protein APP695 [methionyl] (human) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

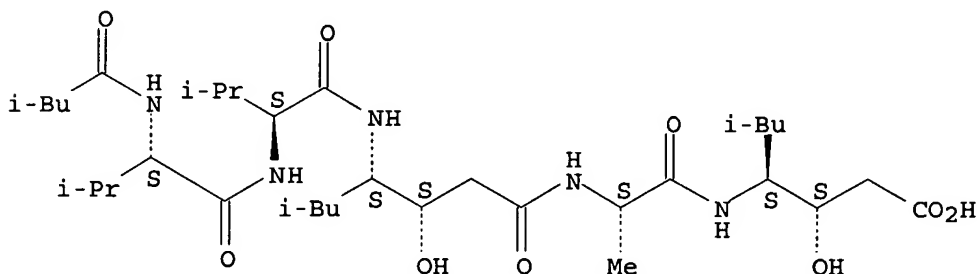
IT 26305-03-3, Pepstatin A

RL: BSU (Biological study, unclassified); BIOL (Biological study) (inhibition of γ 3 protease by; preparation, substrate specificity, and therapeutic uses of human γ 3 protease involved in processing of amyloid precursor protein)

RN 26305-03-3 HCAPLUS

CN L-Alaninamide, N-(3-methyl-1-oxobutyl)-L-valyl-L-valyl-(3S,4S)-4-amino-3-hydroxy-6-methylheptanoyl-N-[(1S)-1-[(1S)-2-carboxy-1-hydroxyethyl]-3-methylbutyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 292632-98-5 300865-85-4 500726-06-7

500726-07-8 500726-08-9

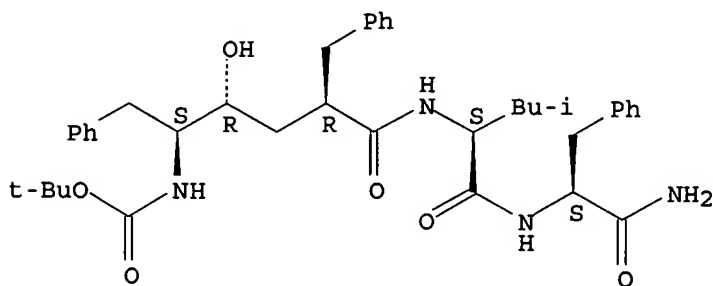
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(lack of γ 3 protease inhibition by and purification in presence of; preparation, substrate specificity, and therapeutic uses of human γ 3 protease involved in processing of amyloid precursor protein)

RN 292632-98-5 HCAPLUS

CN L-Phenylalaninamide, N-[(2R,4R,5S)-5-[[[(1,1-dimethylethoxy)carbonyl]amino]-4-hydroxy-1-oxo-6-phenyl-2-(phenylmethyl)hexyl]-L-leucyl- (9CI) (CA INDEX NAME)

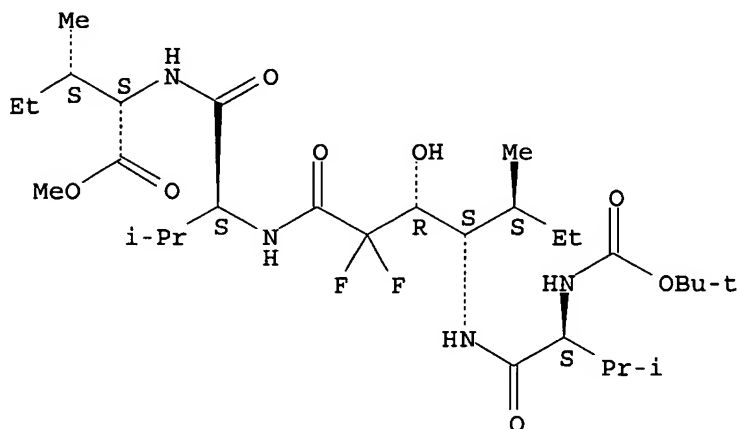
Absolute stereochemistry. Rotation (-).



RN 300865-85-4 HCAPLUS

CN L-Isoleucine, N-[(1,1-dimethylethoxy)carbonyl]-L-valyl-(3R,4S,5S)-4-amino-2,2-difluoro-3-hydroxy-5-methylheptanoyl-L-valyl-, methyl ester (9CI) (CA INDEX NAME)

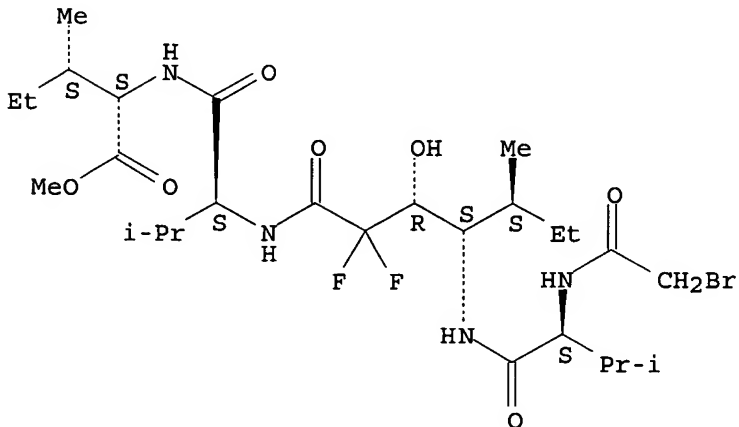
Absolute stereochemistry.



RN 500726-06-7 HCAPLUS

CN L-Isoleucine, N-(bromoacetyl)-L-valyl-(3R,4S,5S)-4-amino-2,2-difluoro-3-hydroxy-5-methylheptanoyl-L-valyl-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

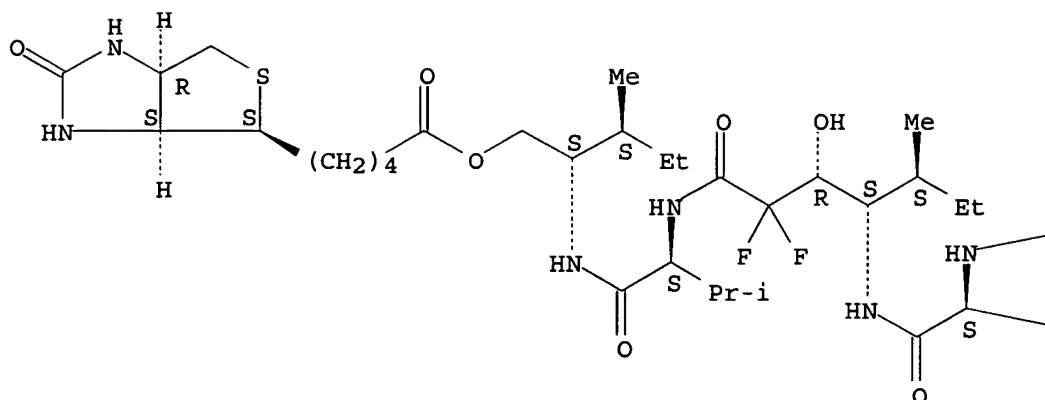


RN 500726-07-8 HCAPLUS

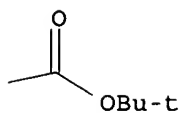
CN 1H-Thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-, (2S,5S,9R,10S,13S)-8,8-difluoro-9-hydroxy-17,17-dimethyl-5,13-bis(1-methylethyl)-2,10-bis[(1S)-1-methylpropyl]-4,7,12,15-tetraoxo-16-oxa-3,6,11,14-tetraazaocetadec-1-yl ester, (3aS,4S,6aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



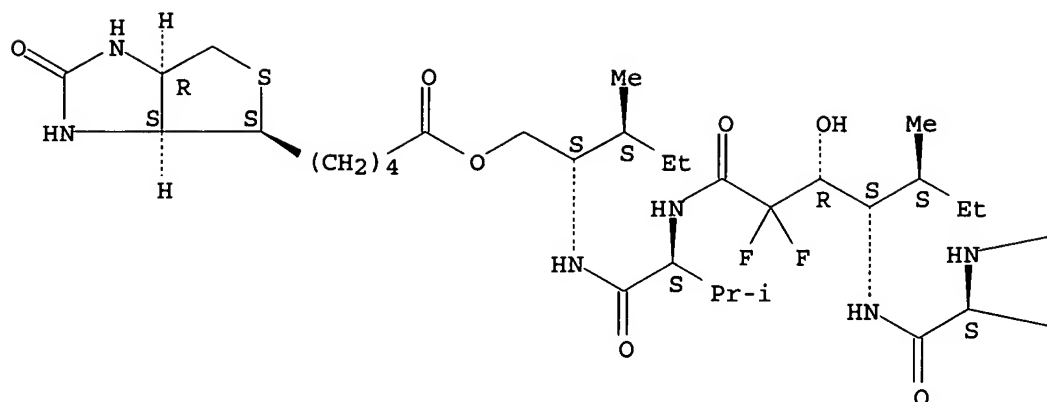
Pr-i

RN 500726-08-9 HCAPLUS

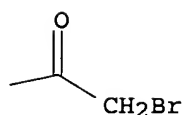
CN 1H-Thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-,
 (2S,5S,9R,10S,13S)-16-bromo-8,8-difluoro-9-hydroxy-5,13-bis(1-methylethyl)-
 2,10-bis[(1S)-1-methylpropyl]-4,7,12,15-tetraoxo-3,6,11,14-tetraazahexadec-
 1-yl ester, (3aS,4S,6aR)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



Pr-i

IT 500856-90-6

RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
 (nucleotide sequence; preparation, substrate specificity, and therapeutic uses of human γ 3 protease involved in processing of amyloid precursor protein)

RN 500856-90-6 HCAPLUS

CN DNA (synthetic human 597-695-amyloid precursor protein APP695 [methionyl] fusion protein with synthetic FLAG peptide-specifying) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

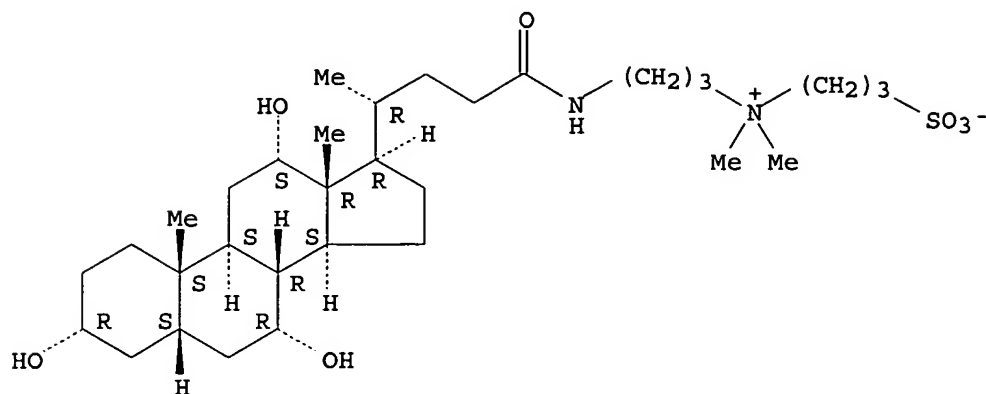
IT 75621-03-3, CHAPS 82473-24-3, CHAPSO

RL: NUU (Other use, unclassified); USES (Uses)
 (preparation of γ 3 protease from biol. membranes in presence of; preparation, substrate specificity, and therapeutic uses of human γ 3 protease involved in processing of amyloid precursor protein)

RN 75621-03-3 HCAPLUS

CN 1-Propanaminium, N,N-dimethyl-N-(3-sulfopropyl)-3-
 [[[3 α ,5 β ,7 α ,12 α)-3,7,12-trihydroxy-24-oxocholan-24-yl]amino]-, inner salt (9CI) (CA INDEX NAME)

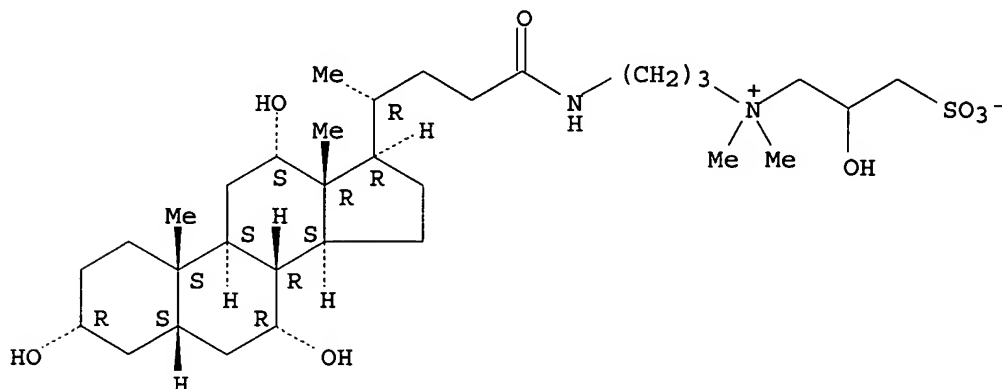
Absolute stereochemistry.



RN 82473-24-3 HCAPLUS

CN 1-Propanaminium, 2-hydroxy-N,N-dimethyl-3-sulfo-N-[3-
[[(3 α ,5 β ,7 α ,12 α)-3,7,12-trihydroxy-24-oxocholan-24-
yl]amino]propyl]-, inner salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 500857-05-6, 1: PN: WO03018050 SEQID: 1 unclaimed DNA

500857-07-8 500857-08-9, 9: PN: WO03018050 SEQID: 9
unclaimed DNA

RL: PRP (Properties)

(unclaimed nucleotide sequence; preparation, substrate specificity, and
therapeutic uses of human γ 3 protease involved in processing of
amyloid precursor protein)

RN 500857-05-6 HCAPLUS

CN 1: PN: WO03018050 SEQID: 1 unclaimed DNA (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 500857-07-8 HCAPLUS

CN DNA, d(G-G-A-A-T-T-C-C-A-T-A-T-G-G-A-T-G-C-A-G-A-A-T-T-C-C-G-A-C-A-T-G)
(9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 500857-08-9 HCAPLUS

CN 9: PN: WO03018050 SEQID: 9 unclaimed DNA (9CI) (CA INDEX NAME)

IT 500857-06-7

(unclaimed protein sequence; preparation, substrate specificity, and therapeutic uses of human $\gamma 3$ protease involved in processing of amyloid precursor protein)

RN 500857-06-7 HCAPLUS

CN 2: PN: WO03018050 SEQID: 2 unclaimed protein (9CI) (CA INDEX NAME)

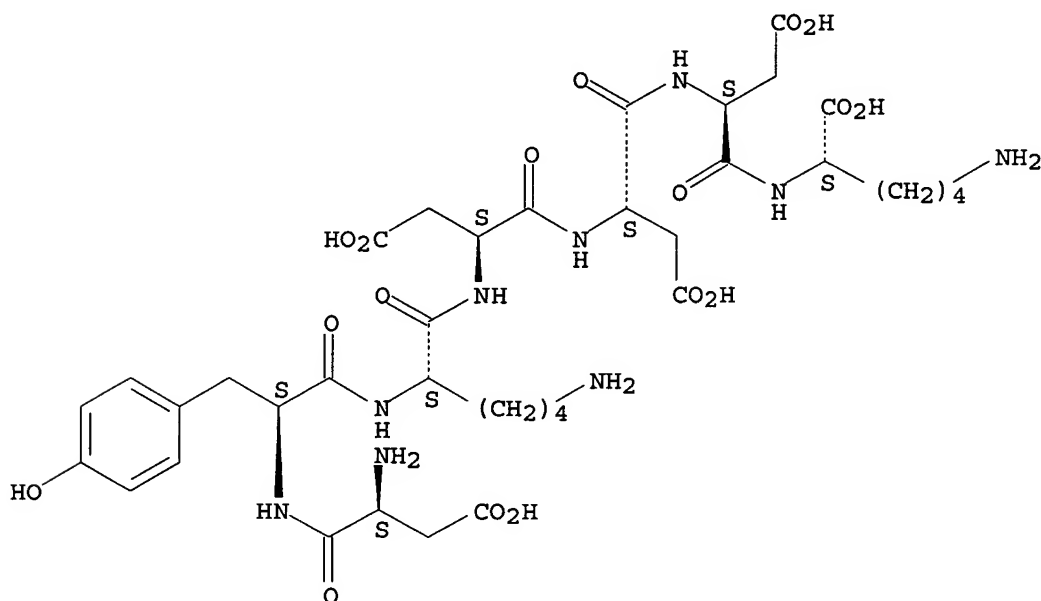
IT 323580-60-5

(unclaimed sequence; preparation, substrate specificity, and therapeutic uses of human $\gamma 3$ protease involved in processing of amyloid precursor protein)

RN 323580-60-5 HCAPLUS

CN L-Lysine, L- α -aspartyl-L-tyrosyl-L-lysyl-L- α -aspartyl-L- α -aspartyl-L- α -aspartyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RL: ANT (Analyte); CAT (Catalyst use); PRP (Properties); PUR (Purification or recovery); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)
(γ 3 protease; preparation, substrate specificity, and therapeutic uses of human γ 3 protease involved in processing of amyloid precursor protein)

RN 338454-52-7 HCAPLUS

| CN | γ-Secretase (9CI) | (CA INDEX NAME) |
|----|-------------------|-----------------|
| 1 | 1 | 1 |

REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT